

AMENDMENTS TO THE SPECIFICATION

Replace the second full paragraph on page 15 with the following:

A series capacitive sensor may be most practical method of both sensing the tine position, and obtaining a feedback signal for the drive circuit. A high frequency signal is applied to the tuning fork assembly which is insulated from all other parts. As the tine moves the pick-up signal is amplitude modulated, and the detected signal amplified to provide the drive current to the coil. With the correct phase shift and sufficient gain resonant oscillation is obtained. Integrated circuits designed ~~fro~~ for LUDT (Linear Variable Differential Transformers) can be used in this application.